

Title (en)

Device and method for internal pipe alignment and welding

Title (de)

Vorrichtung und Verfahren für die innere Ausrichtung und Verschweißung von Rohren

Title (fr)

Dispositif interne pour l'alignement de tuyaux en vue de leur soudage et procédé attendant

Publication

EP 1985405 A1 20081029 (EN)

Application

EP 08155233 A 20080425

Priority

US 79674607 A 20070427

Abstract (en)

A device (200) for clamping a plurality of pipes to each other, said device comprising: a rigid frame (201), first (202) and second (203) clamping means supported on the frame for tightly engaging inner sides of respective first and second pipes having respective ends in line with and at a welding distance from each other, means for operating the first clamping means, means for operating the second clamping means, means for determining an abutment position of the first clamping means, means for storing data concerning the abutment position of the first clamping means in a memory, control means for controlling movement of the second clamping means to a position based upon the stored data concerning the abutment position of the first clamping means. Furthermore a method for applying such a device is revealed.

IPC 8 full level

B23K 37/053 (2006.01)

CPC (source: EP US)

B23K 37/0531 (2013.01 - EP US); **B23K 37/0533** (2013.01 - EP US); **B23K 2101/06** (2018.07 - EP US); **Y10T 29/49895** (2015.01 - EP US)

Citation (applicant)

- NL 9002396 A 19920601 - ATLANTIC POINT INC
- WO 9521721 A1 19950817 - R S BROOKHOUSE ENGINEERING EVE [GB], et al
- EP 1674196 A2 20060628 - VERMAAT TECHNICS BV [NL]

Citation (search report)

- [Y] GB 2205143 A 19881130 - HOULDER OFFSHORE LTD
- [Y] WO 0134340 A1 20010517 - VERMAAT TECHNICS BV [NL], et al

Citation (examination)

- DE 8909391 U1 19890921
- FR 2887165 A1 20061222 - SERIMER DASA SOC PAR ACTIONS S [FR]
- FR 2305268 A1 19761022 - SAIPEM SPA [IT]

Cited by

CN102335803A; US2018029154A1; US10589371B2; US11458571B2; US10828715B2; US10480862B2; US11175099B2; US11767934B2; US10695876B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

US 2007256288 A1 20071108; US 7780065 B2 20100824; EP 1985405 A1 20081029

DOCDB simple family (application)

US 79674607 A 20070427; EP 08155233 A 20080425